

ABSTRACT:

The serial datastream of MPEG encoded information comprises packets of an MPEG encoded video signal and comprises packets of a corresponding audio signal. The MPEG encoded video signal is in the form of frames, e.g. of length 200 ms. The MPEG encoded audio signal is in the form of blocks of audio information. As an example, for an audio signal encoded in accordance with MPEG-1 layer II at 48 kHz, the block-length is 1152 samples which represents 24 ms. It is clear that no integer number of 24 ms audio blocks fits in 200 ms. In fact, the average number of audio blocks per videoblock, or: per edit-block is 8,3333333. Therefore, without additional measures carried out, there will be audio blocks that cross over the edit-block borders. Editing carried out on the boundaries of such edit-blocks without further precautions may lead to severe sound artifacts. Various measures are proposed to enable editing, and limiting the artifacts.

(Fig. 1)